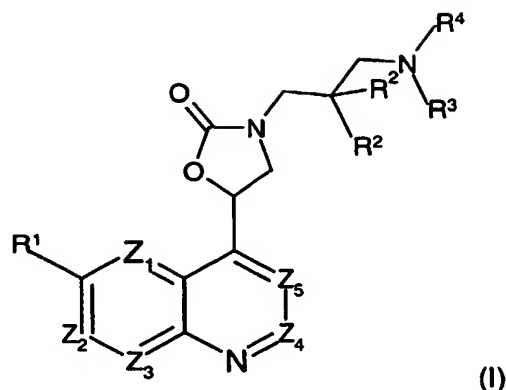


What is claimed is:

1. A compound of formula (I)

5



(I)

10 wherein:

one of Z<sub>1</sub>, Z<sub>2</sub>, Z<sub>3</sub>, Z<sub>4</sub> and Z<sub>5</sub> is N, one is CR<sup>1a</sup> and the remainder are CH, or one or two of Z<sub>1</sub>, Z<sub>2</sub>, Z<sub>3</sub>, Z<sub>4</sub> and Z<sub>5</sub> are independently CR<sup>1a</sup> and the remainder are CH;

15 R<sup>1</sup> and R<sup>1a</sup> are independently hydrogen; hydroxy; (C<sub>1-6</sub>)alkoxy unsubstituted or substituted by (C<sub>1-6</sub>)alkoxy, amino, piperidyl, guanidino or amidino any of which is optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups, CONH<sub>2</sub>, hydroxy, (C<sub>1-6</sub>)alkylthio, heterocyclylthio, heterocyclyloxy, arylthio, aryloxy, acylthio, acyloxy or (C<sub>1-6</sub>)alkylsulphonyloxy; (C<sub>1-6</sub>)alkoxy-substituted(C<sub>1-6</sub>)alkyl;  
 20 halogen; (C<sub>1-6</sub>)alkyl; (C<sub>1-6</sub>)alkylthio; trifluoromethyl; trifluoromethoxy; nitro; cyano; azido; acyl; acyloxy; acylthio; (C<sub>1-6</sub>)alkylsulphonyl; (C<sub>1-6</sub>)alkylsulphoxide; arylsulphonyl; arylsulphoxide or an amino, piperidyl, guanidino or amidino group optionally N-substituted by one or two (C<sub>1-6</sub>)alkyl, acyl or (C<sub>1-6</sub>)alkylsulphonyl groups; provided that when Z<sub>1</sub>, Z<sub>2</sub>, Z<sub>3</sub>, Z<sub>4</sub> and Z<sub>5</sub> are CR<sup>1a</sup> or CH, then R<sup>1</sup> is not hydrogen;

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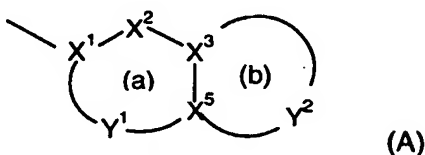
each R<sup>2</sup> is independently hydrogen, OH, NH<sub>2</sub>, substituted or unsubstituted (C<sub>1-6</sub>)alkyl, or substituted or unsubstituted (C<sub>1-6</sub>)alkoxy;

$R^3$  is H, or substituted or unsubstituted ( $C_{1-6}$ )alkyl;

$R^4$  is a group  $-U-R^5$  where

5 U is selected from  $CH_2$ ,  $C=O$ , and  $SO_2$  and

$R^5$  is a substituted or unsubstituted aryl group, or a substituted or unsubstituted bicyclic carbocyclic or heterocyclic ring system (A):



10 containing up to four heteroatoms in each ring in which

ring (a) is aromatic and ring (b) is non-aromatic;

$X^1$  is C;

$X^2$  is N or  $CR^6$ ;

$X^3$  and  $X^5$  are C;

15  $Y^1$  is a 0 to 3 atom linker group, each atom of which is independently selected from N and  $CR^6$ ;

$Y^2$  is a 2 to 6 atom linker group, each atom of  $Y^2$  being independently selected from N,  $NR^8$ , O,  $S(O)_x$ , CO,  $CR^6$  and  $CR^6R^7$ ;

20 each of  $R^6$  and  $R^7$  is independently selected from: hydrogen; ( $C_{1-4}$ )alkylthio; halo; carboxy( $C_{1-4}$ )alkyl; halo( $C_{1-4}$ )alkoxy; halo( $C_{1-4}$ )alkyl; ( $C_{1-4}$ )alkyl; ( $C_{2-4}$ )alkenyl; ( $C_{1-4}$ )alkoxycarbonyl; formyl; ( $C_{1-4}$ )alkylcarbonyl; ( $C_{2-4}$ )alkenyloxycarbonyl; ( $C_{2-4}$ )alkenylcarbonyl; ( $C_{1-4}$ )alkylcarbonyloxy; ( $C_{1-4}$ )alkoxycarbonyl( $C_{1-4}$ )alkyl; hydroxy; hydroxy( $C_{1-4}$ )alkyl; mercapto( $C_{1-4}$ )alkyl; ( $C_{1-4}$ )alkoxy; nitro; cyano; carboxy; amino or  
 25 wherein the amino group is optionally substituted by ( $C_{1-4}$ )alkoxycarbonyl, ( $C_{1-4}$ )alkylcarbonyl, ( $C_{2-4}$ )alkenyloxycarbonyl, ( $C_{2-4}$ )alkenylcarbonyl, ( $C_{1-4}$ )alkyl or ( $C_{2-4}$ )alkenyl and optionally further substituted by ( $C_{1-4}$ )alkyl or ( $C_{2-4}$ )alkenyl; or ( $C_{2-6}$ )alkenyl; ( $C_{1-4}$ )alkylsulphonyl; ( $C_{2-4}$ )alkenylsulphonyl; or aminosulphonyl wherein the amino group is optionally mono- or di-substituted by ( $C_{1-4}$ )alkyl or ( $C_{2-4}$ )alkenyl;  
 30 aryl; aryl( $C_{1-4}$ )alkyl; aryl( $C_{1-4}$ )alkoxy;

each R<sup>8</sup> is independently hydrogen; trifluoromethyl; (C<sub>1-4</sub>)alkyl unsubstituted or substituted by hydroxy, (C<sub>1-6</sub>)alkoxy, (C<sub>1-6</sub>)alkylthio, halo or trifluoromethyl; (C<sub>2-4</sub>)alkenyl; aryl; aryl (C<sub>1-4</sub>)alkyl; arylcarbonyl; heteroarylcarbonyl; (C<sub>1-4</sub>)alkoxycarbonyl; (C<sub>1-4</sub>)alkylcarbonyl; formyl; (C<sub>1-6</sub>)alkylsulphonyl; or aminocarbonyl wherein the amino group is optionally substituted by (C<sub>1-4</sub>)alkoxycarbonyl, (C<sub>1-4</sub>)alkylcarbonyl, (C<sub>2-4</sub>)alkenyloxycarbonyl, (C<sub>2-4</sub>)alkenylcarbonyl, (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl and optionally further substituted by (C<sub>1-4</sub>)alkyl or (C<sub>2-4</sub>)alkenyl; and x is 0, 1, or 2; or a pharmaceutically acceptable salt thereof.

10

2. A compound according to claim 1 wherein Z<sub>5</sub> is CH or N, Z<sub>3</sub> is CH or CF and Z<sub>1</sub>, Z<sub>2</sub> and Z<sub>4</sub> are each CH, or Z<sub>1</sub> is N, Z<sub>3</sub> is CH or CF and Z<sub>2</sub>, Z<sub>4</sub> and Z<sub>5</sub> are each CH.

15 3. A compound according to claim 1 wherein R<sup>1</sup> is methoxy and R<sup>1a</sup> is H or when Z<sub>3</sub> is CR<sup>1a</sup> it may be C-F.

4. A compound according to claim 1 wherein in the heterocyclic ring (A) Y<sup>2</sup> has 3-5 atoms including NR<sup>8</sup>, O or S bonded to X<sup>5</sup> and NHCO bonded via N to X<sup>3</sup>, or O or NH bonded to X<sup>3</sup>.

20

5. A compound according to claim 1 wherein R<sup>6</sup> and R<sup>7</sup> are independently hydrogen; hydroxy; halo; or (C<sub>1-4</sub>)alkyl substituted or unsubstituted by hydroxy, (C<sub>1-6</sub>)alkoxy, (C<sub>1-6</sub>)alkylthio, halo or trifluoromethyl; (C<sub>2-4</sub>)alkenyl; (C<sub>1-4</sub>)alkoxycarbonyl.

25

6. A compound according to claim 1 wherein R<sup>5</sup> is selected from 1H-Indol-2-yl, quinolin-8-yl-2-yl, 3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-yl, 4H-benzo[1,4]oxazin-3-one-6-yl, 4-Fluoro-1H-benzimidazol-2-yl, 3,6-dimethyl-3H-benzooxazol-2-one, 4H-benzo[1,4]thiazin-3-one-6-yl, 3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-yl, 4-Oxo-2,3,4,5-tetrahydro-benzo[b][1,4]thiazepine-7-yl, 7-Chloro-3-oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-yl, 3-oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]oxazine-6-yl, and 4H-pyrido[3,2-b][1,4]oxazin-3-one-6-yl.

30

7. A compound according to claim 1 which is:  
35 3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-

- quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 4-Oxo-2,3,4,5-tetrahydro-benzo[b][1,4]thiazepine-7-sulfonic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-
- 5 quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 7-Chloro-3-oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(8-fluoro-6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 10 3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 3-Oxo-3,4-dihydro-2H-benzo[1,4]thiazine-6-sulfonic acid {3-[(S)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 3-Oxo-3,4-dihydro-2H-benzo[1,4]oxazine-6-sulfonic acid {3-[(R)-5-(6-methoxy-
- 15 [1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- 3-Oxo-3,4-dihydro-2H-pyrido[3,2-b][1,4]thiazine-6-carboxylic acid {3-[(R)-5-(6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl)-amide;
- (R)-3-{3-[(1H-Indol-2-ylmethyl)-methyl-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;
- 20 (R)-3-{3-[(Benzo[1,2,5]thiadiazole-5-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;
- (R)-3-{3-[(1H-Indol-2-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;
- (R)-3-{3-[(8-Hydroxy-quinolin-2-ylmethyl)-methyl-amino]-propyl}-5-(6-methoxy-quinolin-
- 25 4-yl)-oxazolidin-2-one;
- (R)-3-{3-[(4-Fluoro-1H-benzimidazol-2-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;
- 6-({3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino}-methyl-4H-benzo[1,4]oxazin-3-one;

- (R)-3-{3-[(8-Hydroxy-quinolin-2-ylmethyl)-amino]-propyl}-5-(6-methoxy-quinolin-4-yl)-oxazolidin-2-one;
- (6-[(3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4H-benzo[1,4]thiazin-3-one;
- 5 6-[(3-[(R)-5-(6-Methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4H-pyrido[3,2-b][1,4]oxazin-3-one;
- 6-[(3-[(R)-5-(8-Fluoro-6-methoxy-quinolin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4H-pyrido[3,2-b][1,4]oxazin-3-one;
- 10 3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid{3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-2,2-dimethyl-propyl}-amide;
- 2,3-Dihydro-benzo[1,4]dioxine-6-sulfonic acid {3-[5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;
- 6-[(3-[5-(6-Methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;
- 15 6-[(3-[5-(6-Methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4*H*-pyrido[3,2-*b*][1,4]oxazin-3-one;
- 3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {(R)-2-hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide;
- 6-[(*S*)-2-Hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one;
- 20 3-Oxo-3,4-dihydro-2*H*-benzo[1,4]thiazine-6-sulfonic acid {(*S*)-2-hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propyl}-amide; or
- 6-[(*R*)-2-Hydroxy-3-[(R)-5-(6-methoxy-[1,5]naphthyridin-4-yl)-2-oxo-oxazolidin-3-yl]-propylamino)-methyl]-4*H*-pyrido[3,2-*b*][1,4]thiazin-3-one; or
- 25 a pharmaceutically acceptable salt thereof.

8. A pharmaceutical composition comprising a compound according to claim 1 and a pharmaceutically acceptable carrier.

- 30 9. A method of treating bacterial infections in mammals which comprises the administration to a mammal in need thereof an effective amount of a compound according to claim 1.